

ABSTRACT

An electrically powered rotary solenoid drives a hydraulic pilot valve to actuate a hydraulic main valve. The pilot valve includes a seal carrier rotatable with respect to a seal plate. A carrier supply port and a plate supply port are centered about an axis of rotation to remain in fluid communication during rotation. A carrier function port and plate function port are spaced from the axis of rotation, such that they may be selectively placed in fluid communication to pass fluid to actuate the main valve. When actuated, the main valve passes fluid pressure to one or more hydraulically actuated components.

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